

ATTORNEY DOCKET NO. 02-061 (ANSI01-00009)
U.S. SERIAL NO. 09/670,062
PATENT

AMENDMENTS TO THE CLAIMS

1-8. (Cancelled)

9. (Previously Presented) A medical lead, comprising:

a lead body having an insulator and multiple conductors, wherein the insulator includes a respective welding region for each of said multiple conductors formed by removal of at least a portion of the insulator, each welding region formed to expose at least a portion of a respective conductor, wherein each welding region is formed obliquely across said lead body and parallel to a respective conductor;

a respective elongated conductive element, for each welding region, having a distal end and a proximal end, the proximal end electrically connected to the conductor within the corresponding welding region; and

a respective band welded to the distal end of each elongated conductive element to electrically connect the band to the respective conductor, the band welded to the distal end of the elongated conductive link element outside of the welding region.

10. (Previously Presented) A medical lead, as in Claim 9, wherein each welding region comprises a groove cut in the insulator.

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11. (Cancelled)
12. (Previously Presented) A medical lead, as in Claim 9, wherein each elongated conductive element is selected from the group consisting of wire, ribbon wire, and cable.
13. (Previously Presented) A medical lead, as in Claim 9, wherein each elongated conductive element is electrically connected to the respective conductor using a method selected from the listing consisting of crimping and conductive adhesives.
14. (Previously Presented) A medical lead, as in Claim 9, wherein each elongated conductive element comprises a material selected from the group consisting of stainless steel, MP35N, platinum, gold, silver, copper, and vanadium.
15. (Previously Presented) A medical lead, as in Claim 9, wherein each band is selected from the group consisting of a band electrode, a band conductor, and a sensor.
16. (Previously Presented) A medical lead, as in Claim 9, wherein each band further comprises a plurality of projections on an inner wall of a lumen, wherein the projections space the inner wall from an outer surface of the lead body.

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17. (Previously Presented) A medical lead, as in Claim 16, wherein at least three projections are positioned in the inner wall to center the lead body within the lumen.

18-32. (Cancelled)

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